

The Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Claims 1-28 (canceled).

Claim 29 (original): A mutant corn plant comprising one or more mutations wherein said one or more mutations cause at least a two to three-fold increase in the expression of a transgene as compared to the expression of the transgene in a non-mutant transgenic corn plant.

Claim 30 (original): Seed from the mutant corn plant of claim 29.

Claim 31 (original): Progeny seed produced by crossing the mutant plant of claim 29 and another plant or by self-pollinating the mutant corn plant of claim 29.

Claim 32 (original): A tissue culture of regenerable cells of the plant of claim 29.

Claim 33 (original): The mutant corn plant of claim 29 wherein the increase in the expression of the transgene is detectable by RNA analysis.

Claim 34 (original): The mutant corn plant of claim 29 wherein said mutant corn plant is selected from the group consisting of *mop1-2*, *Mop2-1*, *rmr1-1* and *rmr2-1*.

Claims 35 to 40 (canceled).

Claim 41 (original): A process of producing a transgenic corn plant with an activated transgene, comprising:

a) crossing a parental transgenic corn plant with a mutant corn plant wherein said parental transgenic plant has a transgene and said mutant plant has one or more mutations wherein said one or more mutations reduce the establishment or maintenance of paramutation in said mutant corn plant as compared to said wild type corn plant to produce a first progeny

transgenic plant wherein said silenced transgene is activated in said first progeny transgenic plant and said first progeny transgenic plant is reduced in the establishment or maintenance of paramutation as compared to said wild type plant, and

b) outcrossing said first progeny transgenic plant with a wild type corn plant to produce a second progeny transgenic plant wherein said transgene remains activated in said second progeny transgenic plant and said second progeny transgenic plant is not reduced in the establishment or maintenance of paramutation as compared to the wild type plant.

Claim 42 (original): The method of claim 41 wherein said transgene is silenced in said parental transgenic plant.

Claim 43 (original): A transgenic corn plant produced by the process of claim 41.

Claim 44 (original): Seed of the transgenic plant of claim 43.

Claim 45 (original): An essentially homogeneous population of corn plants produced by growing the seed of claim 44.

Claim 46. (original): Progeny seed produced from crossing the plant of claim 43 with another corn plant.

Claim 47 (original): Progeny seed produced by self-pollinating the plant of claim 43.

Claim 48 (original): A corn plant produced from the seed of claim 44.

Claim 49 (original): A tissue culture of regenerable cells of the corn plant of claim 43.

Claim 50 (original): The tissue culture of claim 49, wherein the regenerable cells comprise cells derived from embryos, immature embryos, meristematic cells, immature tassels, microspores, pollen, leaves, anthers, roots, root tips, silk, flowers, kernels, ears, cobs, husks, or stalks.

Claim 51 (original): The tissue culture of claim 50, wherein the regenerable cells comprise protoplasts or callus.

Claim 52 (original): A corn plant regenerated from the tissue culture of claim 50.

Claim 53 (original): The process of claim 41 wherein said mutant plant is selected from the group consisting of *mop1-2* and *rmr2-1*.

Claims 54-60 (canceled).

Claim 61 (previously presented): Corn seed genotypically designated *rmr1-2* having ATCC Accession Number PTA-3966.

Claim 62 (original): A corn plant produced from the seed of claim 61.

Claim 63 (original): A corn plant having all of the phenotypic and morphological characteristics of a plant produced from the seed of claim 61.

Claim 64 (original): Pollen or an ovule of the plant of claim 62.

Claim 65 (original): A corn plant having the genetic characteristics of the plant of claim 62.

Claim 66 (original): An essentially homogeneous population of corn plants produced by growing the seed of the corn plant of claim 62.

Claim 67 (original): Seed produced from the plant of claim 62.

Claim 68 (original): Progeny seed produced from crossing the plant of claim 62 with another corn plant or by self-pollinating the plant of claim 62.

Claim 69 (original): A corn plant produced from the seed of claim 68.

Claim 70 (original): A corn seed produced from the plant of claim 69.

Claim 71 (previously presented): The tissue culture of regenerable cells of corn plant *rmr1-2*, wherein the tissue regenerates plants capable of expressing all the genetical, physiological and morphological characteristics of the corn plant genotypically designated *rmr1-2*, a sample of the seed of said corn plant *rmr1-2* having been deposited under ATCC Accession Number PTA-3966.

Claim 72 (original): The tissue culture of claim 71, wherein the regenerable cells comprise cells derived from embryos, immature embryos, meristematic cells, immature tassels, microspores, pollen, leaves, anthers, roots, root tips, silk, flowers, kernels, ears, cobs, husks, or stalks.

Claim 73 (original): The tissue culture of claim 72, wherein the regenerable cells comprise protoplasts or callus.

Claim 74 (previously presented): A corn plant regenerated from the tissue culture of claim 71, wherein said corn plant is capable of expressing all of the genetical, physiological and morphological characteristics of the corn plant genotypically designated *rmr1-2*, a sample of the seed of said corn plant designated *rmr1-2* having been deposited under ATCC Accession Number PTA-3966.

Claim 75 (previously presented): A process of producing corn seed, comprising self-pollinating a plant genotypically designated *rmr1-2* or crossing a first parent corn plant with a second parent corn plant, wherein said first or second corn plant is the corn plant *rmr1-2*, a sample of the seed of said corn plant *rmr1-2* having been deposited under ATCC Accession Number PTA-3966.

Claim 76 (original): The process of claim 75, wherein crossing comprises the steps of:

- (a) planting in pollinating proximity seeds of said first and second corn plants;
 - (b) cultivating the seeds of said first and second corn plants into plants that bear flowers;
 - (c) emasculating the male flowers of said first or second corn plant to produce an emasculated corn plant;
 - (d) allowing cross-pollination to occur between said first and second corn plants;
- and
- (e) harvesting seeds produced on said emasculated corn plant.

Claim 77 (original): The process of claim 76, further comprising growing said harvested seed to produce a hybrid corn plant.

Claim 78 (original): Hybrid corn seed produced by the process of claim 77.

Claim 79 (original): A hybrid corn plant produced by the process of claim 77.

Claim 80 (original): The hybrid corn plant of claim 77, wherein the plant is a first generation (F₁) hybrid corn plant.

Claim 81 (previously presented): Corn seed designated genotypically designated *rmr2-1* having ATCC Accession Number PTA-3956.

Claim 82 (original): A corn plant produced from the seed of claim 81.

Claim 83 (original): A corn plant having all of the genetical, phenotypic and morphological characteristics of a plant produced from the seed of claim 81.

Claim 84 (original): Pollen or an ovule of the plant of claim 82.

Claim 85 (original): A corn plant having the genetical characteristics of the plant of claim 82.

Claim 86 (original): An essentially homogeneous population of corn plants produced by growing the seed of the corn plant of claim 82.

Claim 87 (original): Seed produced from the plant of claim 82.

Claim 88 (original): Progeny seed produced from crossing the plant of claim 82 with another corn plant or by self-pollinating the plant of claim 82.

Claim 89 (original): A corn plant produced from the seed of claim 88.

Claim 90 (original): A corn seed produced from the plant of claim 89.

Claim 91 (previously presented): The tissue culture of regenerable cells of corn plant genotypically designated *rmr2-1*, wherein the tissue regenerates plants capable of expressing all the physiological and morphological characteristics of the corn plant *rmr2-1*, a sample of the seed of said corn plant *rmr2-1* having been deposited under ATCC Accession Number PTA-3956.

Claim 92 (original): The tissue culture of claim 91, wherein the regenerable cells comprise cells derived from embryos, immature embryos, meristematic cells, immature tassels, microspores, pollen, leaves, anthers, roots, root tips, silk, flowers, kernels, ears, cobs, husks, or stalks.

Claim 93 (original): The tissue culture of claim 92, wherein the regenerable cells comprise protoplasts or callus.

Claim 94 (previously presented): A corn plant regenerated from the tissue culture of claim 91, wherein said corn plant is capable of expressing all of the genetical, physiological and morphological characteristics of the corn plant designated *rmr2-1*, a sample of the seed of said corn plant designated *rmr2-1* having been deposited under ATCC Accession Number PTA-3956.

Claim 95 (previously presented): A process of producing corn seed, comprising self-pollinating a plant genotypically designated *rmr2-1* or crossing a first parent corn plant with a second parent corn plant, wherein said first or second corn plant is the corn plant *rmr2-1*, a sample of the seed of said corn plant *rmr2-1* having been deposited under ATCC Accession No. PTA-3956.

Claim 96 (original): The process of claim 95, wherein crossing comprises the steps of:

- (a) planting in pollinating proximity seeds of said first and second corn plants;
 - (b) cultivating the seeds of said first and second corn plants into plants that bear flowers;
 - (c) emasculating the male flowers of said first or second corn plant to produce an emasculated corn plant;
 - (d) allowing cross-pollination to occur between said first and second corn plants;
- and
- (e) harvesting seeds produced on said emasculated corn plant.

Claim 97 (original): The process of claim 96, further comprising growing said harvested seed to produce a hybrid corn plant.

Claim 98 (original): Hybrid corn seed produced by the process of claim 97.

Claim 99 (original): A hybrid corn plant produced by the process of claim 97.

Claim 100 (original): The hybrid corn plant of claim 98, wherein the plant is a first generation (F_1) hybrid corn plant.

Claim 101 (previously presented): Corn seed genotypically designated *rmr 7-1* having ATCC Accession Number PTA-3958.

Claim 102 (original): A corn plant produced from the seed of claim 101.

Claim 103 (original): A corn plant having all of the phenotypic and morphological characteristics of a plant produced from the seed of claim 101.

Claim 104 (original): Pollen or an ovule of the plant of claim 102.

Claim 105 (original): A corn plant having the genetical characteristics of the plant of claim 102.

Claim 106 (original): An essentially homogeneous population of corn plants produced by growing the seed of the corn plant of claim 102.

Claim 107 (original): Seed produced from the plant of claim 102.

Claim 108 (original): Progeny seed produced from crossing the plant of claim 102 with another corn plant or by self-pollinating the plant of claim 102.

Claim 109 (original): A corn plant produced from the seed of claim 108.

Claim 110 (original): A corn seed produced from the plant of claim 109.

Claim 111 (previously presented): The tissue culture of regenerable cells of corn plant genotypically designated *rmr 7-1*, wherein the tissue regenerates plants capable of expressing all the physiological and morphological characteristics of the corn plant *rmr 7-1*, a sample of the seed of said corn plant *rmr 7-1* having been deposited under ATCC Accession Number PTA-3958.

Claim 112 (original): The tissue culture of claim 111, wherein the regenerable cells comprise cells derived from embryos, immature embryos, meristematic cells, immature tassels, microspores, pollen, leaves, anthers, roots, root tips, silk, flowers, kernels, ears, cobs, husks, or stalks.

Claim 113 (original): The tissue culture of claim 112, wherein the regenerable cells comprise protoplasts or callus.

Claim 114 (previously presented): A corn plant regenerated from the tissue culture of claim 111, wherein said corn plant is capable of expressing all of the physiological and morphological characteristics of the corn plant designated *rmr 7-1*, a sample of the seed of said corn plant designated *rmr 7-1* having been deposited under ATCC Accession Number PTA-3958.

Claim 115 (previously presented): A process of producing corn seed, comprising self-pollinating a corn plant designated *rmr 7-1* or crossing a first parent corn plant with a second parent corn plant, wherein said first or second corn plant is the corn plant *rmr 7-1*, a sample of the seed of said inbred corn plant *rmr 7-1* having been deposited under ATCC Accession Number PTA-3958.

Claim 116 (original): The process of claim 115, wherein crossing comprises the steps of:

- (a) planting in pollinating proximity seeds of said first and second corn plants;
 - (b) cultivating the seeds of said first and second corn plants into plants that bear flowers;
 - (c) emasculating the male flowers of said first or second corn plant to produce an emasculated corn plant;
 - (d) allowing cross-pollination to occur between said first and second corn plants;
- and
- (e) harvesting seeds produced on said emasculated corn plant.

Claim 117 (original): The process of claim 116, further comprising growing said harvested seed to produce a hybrid corn plant.

Claim 118 (original): Hybrid corn seed produced by the process of claim 117.

Claim 119 (original): A hybrid corn plant produced by the process of claim 117.

Claim 120 (original): The hybrid corn plant of claim 119, wherein the plant is a first generation (F₁) hybrid corn plant.

Claim 121 (previously presented): Corn seed genotypically designated *Mop2-1* having ATCC Accession Number PTA-4030.

Claim 122 (original): A corn plant produced from the seed of claim 121.

Claim 123 (original): A corn plant having all of the phenotypic and morphological characteristics of a plant produced from the seed of claim 121.

Claim 124 (original): Pollen or an ovule of the plant of claim 122.

Claim 125 (original): A corn plant having the genetical characteristics of the plant of claim 122.

Claim 126 (original): An essentially homogeneous population of corn plants produced by growing the seed of the corn plant of claim 122.

Claim 127 (original): Seed produced from the plant of claim 122.

Claim 128 (original): Progeny seed produced from crossing the plant of claim 121 with another corn plant or by self-pollinating the plant of claim 121.

Claim 129 (original): A corn plant produced from the seed of claim 128.

Claim 130 (original): A corn seed produced from the plant of claim 129.

Claim 131 (previously presented): The tissue culture of regenerable cells of corn plant genotypically designated *Mop2-1*, wherein the tissue regenerates plants capable of expressing all the physiological and morphological characteristics of the corn plant *Mop2-1*, a sample of the seed of said corn plant *Mop2-1* having been deposited under ATCC Accession Number PTA-4030.

Claim 132 (original): The tissue culture of claim 131, wherein the regenerable cells comprise cells derived from embryos, immature embryos, meristematic cells, immature tassels, microspores, pollen, leaves, anthers, roots, root tips, silk, flowers, kernels, ears, cobs, husks, or stalks.

Claim 133 (original): The tissue culture of claim 132, wherein the regenerable cells comprise protoplasts or callus.

Claim 134 (previously presented): A corn plant regenerated from the tissue culture of claim 131, wherein said corn plant is capable of expressing all of the physiological and morphological characteristics of the corn plant designated *Mop2-1*, a sample of the seed of said corn plant designated *Mop2-1* having been deposited under ATCC Accession Number PTA-4030.

Claim 135 (previously presented): A process of producing corn seed, comprising self-pollinating a plant genotypically designated *Mop2-1* or crossing a first parent corn plant with a second parent corn plant, wherein said first or second corn plant is the corn plant *Mop2-1*, a sample of the seed of said inbred corn plant *Mop2-1* having been deposited under ATCC Accession Number PTA-4030.

Claim 136 (original): The process of claim 135, wherein crossing comprises the steps of:

- (a) planting in pollinating proximity seeds of said first and second corn plants;
 - (b) cultivating the seeds of said first and second corn plants into plants that bear flowers;
 - (c) emasculating the male flowers of said first or second corn plant to produce an emasculated corn plant;
 - (d) allowing cross-pollination to occur between said first and second corn plants;
- and
- (e) harvesting seeds produced on said emasculated corn plant.

Claim 137 (original): The process of claim 136, further comprising growing said harvested seed to produce a hybrid corn plant.

Claim 138 (original): Hybrid corn seed produced by the process of claim 137.

Claim 139 (original): A hybrid corn plant produced by the process of claim 137.

Claim 140 (original): The hybrid corn plant of claim 139, wherein the plant is a first generation (F_1) hybrid corn plant.

Claim 141 (previously presented): Corn seed designated genotypically designated *rmr 7-2* having ATCC Accession Number PTA-3959.

Claim 142 (original): A corn plant produced from the seed of claim 141.

Claim 143 (original): A corn plant having all of the genetical, phenotypic and morphological characteristics of a plant produced from the seed of claim 141.

Claim 144 (original): Pollen or an ovule of the plant of claim 142.

Claim 145 (original): A corn plant having the genetical characteristics of the plant of claim 142.

Claim 146 (original): An essentially homogeneous population of corn plants produced by growing the seed of the corn plant of claim 142.

Claim 147 (original): Seed produced from the plant of claim 142.

Claim 148 (original): Progeny seed produced from crossing the plant of claim 142 with another corn plant or by self-pollinating the plant of claim 142.

Claim 149 (original): A corn plant produced from the seed of claim 148.

Claim 150 (original): A corn seed produced from the plant of claim 149.

Claim 151 (previously presented): The tissue culture of regenerable cells of corn plant genotypically designated *rmr 7-2*, wherein the tissue regenerates plants capable of expressing all the physiological and morphological characteristics of the corn plant *rmr 7-2*, a sample of the seed of said corn plant *rmr 7-2* having been deposited under ATCC Accession Number PTA-3959.

Claim 152 (original): The tissue culture of claim 151, wherein the regenerable cells comprise cells derived from embryos, immature embryos, meristematic cells, immature tassels, microspores, pollen, leaves, anthers, roots, root tips, silk, flowers, kernels, ears, cobs, husks, or stalks.

Claim 153 (original): The tissue culture of claim 152, wherein the regenerable cells comprise protoplasts or callus.

Claim 154 (previously presented): A corn plant regenerated from the tissue culture of claim 151, wherein said corn plant is capable of expressing all of the physiological and morphological characteristics of the corn plant designated *rmr 7-2*, a sample of the seed of said corn plant designated *rmr 7-2* having been deposited under ATCC Accession Number PTA-3959.

Claim 155 (previously presented): A process of producing corn seed, comprising self-pollinating a corn plant genotypically designated *rmr 7-2* or crossing a first parent corn plant with a second parent corn plant, wherein said first or second corn plant is the corn plant *rmr 7-2*, a sample of the seed of said inbred corn plant *rmr 7-2* having been deposited under ATCC Accession Number PTA-3959.

Claim 156 (original): The process of claim 155, wherein crossing comprises the steps of:

- (a) planting in pollinating proximity seeds of said first and second corn plants;
 - (b) cultivating the seeds of said first and second corn plants into plants that bear flowers;
 - (c) emasculating the male flowers of said first or second corn plant to produce an emasculated corn plant;
 - (d) allowing cross-pollination to occur between said first and second corn plants;
- and
- (e) harvesting seeds produced on said emasculated corn plant.

Claim 157 (original): The process of claim 156, further comprising growing said harvested seed to produce a hybrid corn plant.

Claim 158 (original): Hybrid corn seed produced by the process of claim 157.

Claim 159 (original): A hybrid corn plant produced by the process of claim 157.

Claim 160 (original): The hybrid corn plant of claim 159, wherein the plant is a first generation (F₁) hybrid corn plant.

Claim 161 (previously presented): Corn seed designated genotypically designated *mop3-1* having ATCC Accession Number PTA-3829.

Claim 162 (original): A corn plant produced from the seed of claim 161.

Claim 163 (original): A corn plant having all of the phenotypic and morphological characteristics of a plant produced from the seed of claim 161.

Claim 164 (original): Pollen or an ovule of the plant of claim 162.

Claim 165 (original): A corn plant having the genetical characteristics of the plant of claim 162.

Claim 166 (original): An essentially homogeneous population of corn plants produced by growing the seed of the corn plant of claim 162.

Claim 167 (original): Seed produced from the plant of claim 162.

Claim 168 (original): Progeny seed produced from crossing the plant of claim 162 with another corn plant or by self-pollinating the plant of claim 162.

Claim 169 (original): A corn plant produced from the seed of claim 168.

Claim 170 (original): A corn seed produced from the plant of claim 169.

Claim 171 (previously presented): The tissue culture of regenerable cells of corn plant genotypically designated *mop3-1*, wherein the tissue regenerates plants capable of expressing all the physiological and morphological characteristics of the corn plant *mop3-1*, a sample of the seed of said corn plant *mop3-1* having been deposited under ATCC Accession Number PTA-3829.

Claim 172 (original): The tissue culture of claim 171, wherein the regenerable cells comprise cells derived from embryos, immature embryos, meristematic cells, immature tassels, microspores, pollen, leaves, anthers, roots, root tips, silk, flowers, kernels, ears, cobs, husks, or stalks.

Claim 173 (original): The tissue culture of claim 172, wherein the regenerable cells comprise protoplasts or callus.

Claim 174 (previously presented): A corn plant regenerated from the tissue culture of claim 171, wherein said corn plant is capable of expressing all of the physiological and morphological characteristics of the corn plant designated *mop3-1*, a sample of the seed of said corn plant designated *mop3-1* having been deposited under ATCC Accession Number PTA-3829.

Claim 175 (previously presented): A process of producing corn seed, comprising self-pollinating a plant genotypically designated *mop3-1* or crossing a first parent corn plant with a second parent corn plant, wherein said first or second corn plant is the corn plant *mop3-1*, a sample of the seed of said inbred corn *mop3-1* having been deposited under ATCC Accession Number PTA-3829.

Claim 176 (original): The process of claim 175, wherein crossing comprises the steps of:

- (a) planting in pollinating proximity seeds of said first and second corn plants;
 - (b) cultivating the seeds of said first and second corn plants into plants that bear flowers;
 - (c) emasculating the male flowers of said first or second corn plant to produce an emasculated corn plant;
 - (d) allowing cross-pollination to occur between said first and second corn plants;
- and
- (e) harvesting seeds produced on said emasculated corn plant.

Claim 177 (original): The process of claim 176, further comprising growing said harvested seed to produce a hybrid corn plant.

Claim 178 (original): Hybrid corn seed produced by the process of claim 177.

Claim 179 (original): A hybrid corn plant produced by the process of claim 177.

Claim 180 (original): The hybrid corn plant of claim 177, wherein the plant is a first generation (F_1) hybrid corn plant.

Claim 181 (previously presented): Corn seed designated genotypically designated *Mop1-1* having ATCC Accession Number PTA-3828.

Claim 182 (original): A corn plant produced from the seed of claim 181.

Claim 183 (original): A corn plant having all of the phenotypic and morphological characteristics of a plant produced from the seed of claim 181.

Claim 184 (original): Pollen or an ovule of the plant of claim 182.

Claim 185 (original): A corn plant having the genetical characteristics of the plant of claim 182.

Claim 186 (original): An essentially homogeneous population of corn plants produced by growing the seed of the corn plant of claim 182.

Claim 187 (original): Seed produced from the plant of claim 182.

Claim 188 (original): Progeny seed produced from crossing the plant of claim 182 with another corn plant or by self-pollinating the plant of claim 182.

Claim 189 (original): A corn plant produced from the seed of claim 188.

Claim 190 (original): A corn seed produced from the plant of claim 189.

Claim 191 (previously presented): The tissue culture of regenerable cells of corn plant genotypically designated *Mop1-1*, wherein the tissue regenerates plants capable of expressing all the physiological and morphological characteristics of the corn plant *Mop1-1*, a sample of the seed of said corn plant *Mop1-1* having been deposited under ATCC Accession Number PTA-3828.

Claim 192 (original): The tissue culture of claim 191, wherein the regenerable cells comprise cells derived from embryos, immature embryos, meristematic cells, immature tassels, microspores, pollen, leaves, anthers, roots, root tips, silk, flowers, kernels, ears, cobs, husks, or stalks.

Claim 193 (original): The tissue culture of claim 192, wherein the regenerable cells comprise protoplasts or callus.

Claim 194 (previously presented): A corn plant regenerated from the tissue culture of claim 193, wherein said corn plant is capable of expressing all of the physiological and morphological characteristics of the corn plant designated *Mop1-1*, a sample of the seed of said corn plant designated *Mop1-1* having been deposited under ATCC Accession Number PTA-3828.

Claim 195 (previously presented): A process of producing corn seed, comprising self-pollinating a corn plant genotypically designated *Mop1-1* crossing a first parent corn plant with a second parent corn plant, wherein said first or second corn plant is the corn plant *Mop1-1*, a sample of the seed of said inbred corn plant *Mop1-1* having been deposited under ATCC Accession Number PTA-3828.

Claim 196 (original): The process of claim 195, wherein crossing comprises the steps of:

- (a) planting in pollinating proximity seeds of said first and second corn plants;
 - (b) cultivating the seeds of said first and second corn plants into plants that bear flowers;
 - (c) emasculating the male flowers of said first or second corn plant to produce an emasculated corn plant;
 - (d) allowing cross-pollination to occur between said first and second corn plants;
- and
- (e) harvesting seeds produced on said emasculated corn plant.

Claim 197 (original): The process of claim 196, further comprising growing said harvested seed to produce a hybrid corn plant.

Claim 198 (original): Hybrid corn seed produced by the process of claim 197.

Claim 199 (original): A hybrid corn plant produced by the process of claim 197.

Claim 200 (original): The hybrid corn plant of claim 199, wherein the plant is a first generation (F_1) hybrid corn plant.

Claim 201 (previously presented): Corn seed designated genotypically designated *Mop1-2EMS* having ATCC Accession Number PTA-3826.

Claim 202 (original): A corn plant produced from the seed of claim 201.

Claim 203 (original): A corn plant having all of the phenotypic and morphological characteristics of a plant produced from the seed of claim 201.

Claim 204 (original): Pollen or an ovule of the plant of claim 202.

Claim 205 (original): A corn plant having the genetical characteristics of the plant of claim 202.

Claim 206 (original): An essentially homogeneous population of corn plants produced by growing the seed of the corn plant of claim 202.

Claim 207 (original): Seed produced from the plant of claim 202.

Claim 208 (original): Progeny seed produced from crossing the plant of claim 202 with another corn plant or by self-pollinating the plant of claim 202.

Claim 209 (original): A corn plant produced from the seed of claim 208.

Claim 210 (original): A corn seed produced from the plant of claim 209.

Claim 211 (previously presented): The tissue culture of regenerable cells of corn plant genotypically designated *Mop1-2EMS*, wherein the tissue regenerates plants capable of expressing all the physiological and morphological characteristics of the corn plant *Mop1-2EMS*, a sample of the seed of said corn plant *Mop1-2EMS* having been deposited under ATCC Accession Number PTA-3826.

Claim 212 (original): The tissue culture of claim 211, wherein the regenerable cells comprise cells derived from embryos, immature embryos, meristematic cells, immature tassels, microspores, pollen, leaves, anthers, roots, root tips, silk, flowers, kernels, ears, cobs, husks, or stalks.

Claim 213 (original): The tissue culture of claim 212, wherein the regenerable cells comprise protoplasts or callus.

Claim 214 (previously presented): A corn plant regenerated from the tissue culture of claim 211, wherein said corn plant is capable of expressing all of the physiological and morphological characteristics of the corn plant designated *Mop1-2EMS*, a sample of the seed of said corn plant designated *Mop1-2EMS* having been deposited under ATCC Accession Number PTA-3826.

Claim 215 (previously presented): A process of producing corn seed, comprising self-pollinating a corn plant genotypically designated *Mop1-2EMS* or crossing a first parent corn plant with a second parent corn plant, wherein said first or second corn plant is the corn plant *Mop1-2EMS*, a sample of the seed of said inbred corn plant *Mop1-2EMS* having been deposited under ATCC Accession Number PTA-3826.

Claim 216 (original): The process of claim 215, wherein crossing comprises the steps of:

- (a) planting in pollinating proximity seeds of said first and second corn plants;
- (b) cultivating the seeds of said first and second corn plants into plants that bear flowers;
- (c) emasculating the male flowers of said first or second corn plant to produce an emasculated corn plant;

(d) allowing cross-pollination to occur between said first and second corn plants;
and

(e) harvesting seeds produced on said emasculated corn plant.

Claim 217 (original): The process of claim 216, further comprising growing said harvested seed to produce a hybrid corn plant.

Claim 218 (original): Hybrid corn seed produced by the process of claim 217.

Claim 219 (original): A hybrid corn plant produced by the process of claim 217.

Claim 220 (original): The hybrid corn plant of claim 219, wherein the plant is a first generation (F₁) hybrid corn plant.

Claim 221 (previously presented): Corn seed genotypically designated *rmr6-1* having ATCC Accession Number PTA-3957.

Claim 222 (original): A corn plant produced from the seed of claim 221.

Claim 223 (original): A corn plant having all of the phenotypic and morphological characteristics of a plant produced from the seed of claim 221.

Claim 224 (original): Pollen or an ovule of the plant of claim 222.

Claim 225 (original): A corn plant having the genetical characteristics of the plant of claim 222.

Claim 226 (original): An essentially homogeneous population of corn plants produced by growing the seed of the corn plant of claim 222.

Claim 227 (original): Seed produced from the plant of claim 222.

Claim 228 (original): Progeny seed produced from crossing the plant of claim 222 with another corn plant or by self-pollinating the plant of claim 222.

Claim 229 (original): A corn plant produced from the seed of claim 228.

Claim 230 (original): A corn seed produced from the plant of claim 229.

Claim 231 (previously presented): The tissue culture of regenerable cells of corn plant genotypically designated *rmr6-1*, wherein the tissue regenerates plants capable of expressing all the physiological and morphological characteristics of the corn plant *rmr6-1*, a sample of the seed of said corn plant *rmr6-1* having been deposited under ATCC Accession Number PTA-3957.

Claim 232 (original): The tissue culture of claim 231, wherein the regenerable cells comprise cells derived from embryos, immature embryos, meristematic cells, immature tassels, microspores, pollen, leaves, anthers, roots, root tips, silk, flowers, kernels, ears, cobs, husks, or stalks.

Claim 233 (original): The tissue culture of claim 232, wherein the regenerable cells comprise protoplasts or callus.

Claim 234 (previously presented): A corn plant regenerated from the tissue culture of claim 231, wherein said corn plant is capable of expressing all of the physiological and morphological characteristics of the corn plant designated *rmr6-1*, a sample of the seed of said corn plant designated *rmr6-1* having been deposited under ATCC Accession Number PTA-3957.

Claim 235 (previously presented): A process of producing corn seed, comprising crossing a first parent corn plant with a second parent corn plant, wherein said first or second corn plant is the corn plant *rmr6-1*, a sample of the seed of said inbred corn plant *rmr6-1* having been deposited under ATCC Accession Number PTA-3957.

Claim 236 (original): The process of claim 235, wherein crossing comprises the steps of:

- (a) planting in pollinating proximity seeds of said first and second corn plants;
- (b) cultivating the seeds of said first and second corn plants into plants that bear flowers;
- (c) emasculating the male flowers of said first or second corn plant to produce an emasculated corn plant;

(d) allowing cross-pollination to occur between said first and second corn plants;
and

(e) harvesting seeds produced on said emasculated corn plant.

Claim 237 (original): The process of claim 236, further comprising growing said harvested seed to produce a hybrid corn plant.

Claim 238 (original): Hybrid corn seed produced by the process of claim 237.

Claim 239 (original): A hybrid corn plant produced by the process of claim 237.

Claim 240 (original): The hybrid corn plant of claim 239, wherein the plant is a first generation (F₁) hybrid corn plant.

Claim 241 (previously presented): Corn seed genotypically designated *rmr11-1* having ATCC Accession Number PTA-3962.

Claim 242 (original): A corn plant produced from the seed of claim 241.

Claim 243 (original): A corn plant having all of the phenotypic and morphological characteristics of a plant produced from the seed of claim 241.

Claim 244 (original): Pollen or an ovule of the plant of claim 242.

Claim 245 (original): A corn plant having the genetical characteristics of the plant of claim 242.

Claim 246 (original): An essentially homogeneous population of corn plants produced by growing the seed of the corn plant of claim 242.

Claim 247 (original): Seed produced from the plant of claim 242.

Claim 248 (original): Progeny seed produced from crossing the plant of claim 242 with another corn plant or by self-pollinating the plant of claim 242.

Claim 249 (original): A corn plant produced from the seed of claim 248.

Claim 250 (original): A corn seed produced from the plant of claim 249.

Claim 251 (previously presented): The tissue culture of regenerable cells of corn plant genotypically designated *rmr11-1*, wherein the tissue regenerates plants capable of expressing all the physiological and morphological characteristics of the corn plant *rmr11-1*, a sample of the seed of said corn plant *rmr11-1* having been deposited under ATCC Accession Number PTA-3962.

Claim 252 (original): The tissue culture of claim 251, wherein the regenerable cells comprise cells derived from embryos, immature embryos, meristematic cells, immature tassels, microspores, pollen, leaves, anthers, roots, root tips, silk, flowers, kernels, ears, cobs, husks, or stalks.

Claim 253 (original): The tissue culture of claim 252, wherein the regenerable cells comprise protoplasts or callus.

Claim 254 (previously presented): A corn plant regenerated from the tissue culture of claim 251, wherein said corn plant is capable of expressing all of the physiological and morphological characteristics of the corn plant genotypically designated *rmr11-1*, a sample of the seed of said corn plant designated *rmr11-1* having been deposited under ATCC Accession Number PTA-3962.

Claim 255 (previously presented): A process of producing corn seed, comprising self-pollinating a plant genotypically designated *rmr11-1* or crossing a first parent corn plant with a second parent corn plant, wherein said first or second corn plant is the corn plant *rmr11-1*, a sample of the seed of said inbred corn plant *rmr11-1* having been deposited under ATCC Accession Number PTA-3962.

Claim 256 (original): The process of claim 255, wherein crossing comprises the steps of:

- (a) planting in pollinating proximity seeds of said first and second corn plants;
- (b) cultivating the seeds of said first and second corn plants into plants that bear flowers;
- (c) emasculating the male flowers of said first or second corn plant to produce an emasculated corn plant;

(d) allowing cross-pollination to occur between said first and second corn plants;
and

(e) harvesting seeds produced on said emasculated corn plant.

Claim 257 (original): The process of claim 256, further comprising growing said harvested seed to produce a hybrid corn plant.

Claim 258 (original): Hybrid corn seed produced by the process of claim 257.

Claim 259 (original): A hybrid corn plant produced by the process of claim 257.

Claim 260 (original): The hybrid corn plant of claim 257, wherein the plant is a first generation (F₁) hybrid corn plant.

Claim 261 (previously presented): Corn seed genotypically designated *rmr8-1* having ATCC Accession Number PTA-3960.

Claim 262 (original): A corn plant produced from the seed of claim 261.

Claim 263 (original): A corn plant having all of the phenotypic and morphological characteristics of a plant produced from the seed of claim 261.

Claim 264 (original): Pollen or an ovule of the plant of claim 262.

Claim 265 (original): A corn plant having the genetical characteristics of the plant of claim 262.

Claim 266 (original): An essentially homogeneous population of corn plants produced by growing the seed of the corn plant of claim 262.

Claim 267 (original): Seed produced from the plant of claim 262.

Claim 268 (original): Progeny seed produced from crossing the plant of claim 262 with another corn plant or by self-pollinating the plant of claim 262.

Claim 269 (original): A corn plant produced from the seed of claim 268.

Claim 270 (original): A corn seed produced from the plant of claim 269.

Claim 271 (previously presented): The tissue culture of regenerable cells of corn plant genotypically designated *rmr8-1*, wherein the tissue regenerates plants capable of expressing all the physiological and morphological characteristics of the corn plant *rmr8-1*, a sample of the seed of said corn plant *rmr8-1* having been deposited under ATCC Accession Number PTA-3960.

Claim 272 (original): The tissue culture of claim 271, wherein the regenerable cells comprise cells derived from embryos, immature embryos, meristematic cells, immature tassels, microspores, pollen, leaves, anthers, roots, root tips, silk, flowers, kernels, ears, cobs, husks, or stalks.

Claim 273 (original): The tissue culture of claim 272, wherein the regenerable cells comprise protoplasts or callus.

Claim 274 (previously presented): A corn plant regenerated from the tissue culture of claim 271, wherein said corn plant is capable of expressing all of the physiological and morphological characteristics of the corn plant designated *rmr8-1*, a sample of the seed of said corn plant designated *rmr8-1* having been deposited under ATCC Accession Number PTA-3960.

Claim 275 (previously presented): A process of producing corn seed, comprising self-pollinating a plant genotypically designated *rmr8-1* or crossing a first parent corn plant with a second parent corn plant, wherein said first or second corn plant is the corn plant *rmr8-1*, a sample of the seed of said inbred corn plant *rmr8-1* having been deposited under ATCC Accession Number PTA-3960.

Claim 276 (original): The process of claim 275, wherein crossing comprises the steps of:

- (a) planting in pollinating proximity seeds of said first and second corn plants;
- (b) cultivating the seeds of said first and second corn plants into plants that bear flowers;
- (c) emasculating the male flowers of said first or second corn plant to produce an emasculated corn plant;

(d) allowing cross-pollination to occur between said first and second corn plants;
and

(e) harvesting seeds produced on said emasculated corn plant.

Claim 277 (original): The process of claim 276, further comprising growing said harvested seed to produce a hybrid corn plant.

Claim 278 (original): Hybrid corn seed produced by the process of claim 277.

Claim 279 (original): A hybrid corn plant produced by the process of claim 277.

Claim 280 (original): The hybrid corn plant of claim 279, wherein the plant is a first generation (F₁) hybrid corn plant.

Claim 281 (previously presented): Corn seed genotypically designated *Mop1-4* having ATCC Accession Number PTA-3963.

Claim 282 (original): A corn plant produced from the seed of claim 281.

Claim 283 (original): A corn plant having all of the phenotypic and morphological characteristics of a plant produced from the seed of claim 281.

Claim 284 (original): Pollen or an ovule of the plant of claim 282.

Claim 285 (original): A corn plant having the genetical characteristics of the plant of claim 282.

Claim 286 (original): An essentially homogeneous population of corn plants produced by growing the seed of the corn plant of claim 282.

Claim 287 (original): Seed produced from the plant of claim 282.

Claim 288 (original): Progeny seed produced from crossing the plant of claim 282 with another corn plant or by self-pollinating the plant of claim 282.

Claim 289 (original): A corn plant produced from the seed of claim 288.

Claim 290 (original): A corn seed produced from the plant of claim 289.

Claim 291 (previously presented): The tissue culture of regenerable cells of corn plant genotypically designated *Mop1-4*, wherein the tissue regenerates plants capable of expressing all the physiological and morphological characteristics of the corn plant *Mop1-4*, a sample of the seed of said corn plant *Mop1-4* having been deposited under ATCC Accession Number PTA-3963.

Claim 292 (original): The tissue culture of claim 291, wherein the regenerable cells comprise cells derived from embryos, immature embryos, meristematic cells, immature tassels, microspores, pollen, leaves, anthers, roots, root tips, silk, flowers, kernels, ears, cobs, husks, or stalks.

Claim 293 (original): The tissue culture of claim 292, wherein the regenerable cells comprise protoplasts or callus.

Claim 294 (previously presented): A corn plant regenerated from the tissue culture of claim 291, wherein said corn plant is capable of expressing all of the physiological and morphological characteristics of the corn plant designated *Mop1-4*, a sample of the seed of said corn plant designated *Mop1-4* having been deposited under ATCC Accession Number PTA-3963.

Claim 295 (previously presented): A process of producing corn seed, comprising self-pollinating a plant genotypically designated *Mop1-4* or crossing a first parent corn plant with a second parent corn plant, wherein said first or second corn plant is the corn plant *Mop1-4*, a sample of the seed of said inbred corn plant *Mop1-4* having been deposited under ATCC Accession Number PTA-3963.

Claim 296 (original): The process of claim 295, wherein crossing comprises the steps of:

- (a) planting in pollinating proximity seeds of said first and second corn plants;
- (b) cultivating the seeds of said first and second corn plants into plants that bear flowers;
- (c) emasculating the male flowers of said first or second corn plant to produce an emasculated corn plant;

(d) allowing cross-pollination to occur between said first and second corn plants;
and

(e) harvesting seeds produced on said emasculated corn plant.

Claim 297 (original): The process of claim 296, further comprising growing said harvested seed to produce a hybrid corn plant.

Claim 298 (original): Hybrid corn seed produced by the process of claim 297.

Claim 299 (original): A hybrid corn plant produced by the process of claim 297.

Claim 300 (original): The hybrid corn plant of claim 299, wherein the plant is a first generation (F₁) hybrid corn plant.

Claim 301 (previously presented): Corn seed genotypically designated *Mop1-5* having ATCC Accession Number PTA-3964.

Claim 302 (original): A corn plant produced from the seed of claim 301.

Claim 303 (original): A corn plant having all of the phenotypic and morphological characteristics of a plant produced from the seed of claim 301.

Claim 304 (original): Pollen or an ovule of the plant of claim 302.

Claim 305 (original): A corn plant having the genetical characteristics of the plant of claim 302.

Claim 306 (original): An essentially homogeneous population of corn plants produced by growing the seed of the corn plant of claim 302.

Claim 307 (original): Seed produced from the plant of claim 302.

Claim 308 (original): Progeny seed produced from crossing the plant of claim 302 with another corn plant or by self-pollinating the plant of claim 302.

Claim 309 (original): A corn plant produced from the seed of claim 308.

Claim 310 (original): A corn seed produced from the plant of claim 309.

Claim 311 (previously presented): The tissue culture of regenerable cells of corn plant genotypically designated *Mop1-5*, wherein the tissue regenerates plants capable of expressing all the physiological and morphological characteristics of the corn plant *Mop1-5*, a sample of the seed of said corn plant *Mop1-5* having been deposited under ATCC Accession Number PTA-3964.

Claim 312 (original): The tissue culture of claim 311, wherein the regenerable cells comprise cells derived from embryos, immature embryos, meristematic cells, immature tassels, microspores, pollen, leaves, anthers, roots, root tips, silk, flowers, kernels, ears, cobs, husks, or stalks.

Claim 313 (original): The tissue culture of claim 312, wherein the regenerable cells comprise protoplasts or callus.

Claim 314 (previously presented): A corn plant regenerated from the tissue culture of claim 311, wherein said corn plant is capable of expressing all of the physiological and morphological characteristics of the corn plant designated *Mop1-5*, a sample of the seed of said corn plant designated *Mop1-5* having been deposited under ATCC Accession Number PTA-3964.

Claim 315 (previously presented): A process of producing corn seed, comprising self-pollinating a plant genotypically designated *Mop1-5* or crossing a first parent corn plant with a second parent corn plant, wherein said first or second corn plant is the corn plant *Mop1-5*, a sample of the seed of said inbred corn plant *Mop1-5* having been deposited under ATCC Accession Number PTA-3964.

Claim 316 (original): The process of claim 315, wherein crossing comprises the steps of:

- (a) planting in pollinating proximity seeds of said first and second corn plants;
- (b) cultivating the seeds of said first and second corn plants into plants that bear flowers;
- (c) emasculating the male flowers of said first or second corn plant to produce an emasculated corn plant;

(d) allowing cross-pollination to occur between said first and second corn plants;
and

(e) harvesting seeds produced on said emasculated corn plant.

Claim 317 (original): The process of claim 316, further comprising growing said harvested seed to produce a hybrid corn plant.

Claim 318 (original): Hybrid corn seed produced by the process of claim 317.

Claim 319 (original): A hybrid corn plant produced by the process of claim 317.

Claim 320 (original): The hybrid corn plant of claim 319, wherein the plant is a first generation (F₁) hybrid corn plant.

Claim 321 (previously presented): Corn seed genotypically designated CC2343 having ATCC Accession Number PTA-3827.

Claim 322 (original): A corn plant produced from the seed of claim 321.

Claim 323 (original): A corn plant having all of the phenotypic and morphological characteristics of a plant produced from the seed of claim 321.

Claim 324 (original): Pollen or an ovule of the plant of claim 322.

Claim 325 (original): A corn plant having the genetical characteristics of the plant of claim 322.

Claim 326 (original): An essentially homogeneous population of corn plants produced by growing the seed of the corn plant of claim 322.

Claim 327 (original): Seed produced from the plant of claim 322.

Claim 328 (original): Progeny seed produced from crossing the plant of claim 322 with another corn plant or by self-pollinating the plant of claim 322.

Claim 329 (original): A corn plant produced from the seed of claim 328.

Claim 330 (original): A corn seed produced from the plant of claim 329.

Claim 331 (previously presented): The tissue culture of regenerable cells of corn plant genotypically designated *CC2343*, wherein the tissue regenerates plants capable of expressing all the physiological and morphological characteristics of the corn plant *CC2343*, a sample of the seed of said corn plant *CC2343* having been deposited under ATCC Accession Number PTA-3827.

Claim 332 (original): The tissue culture of claim 331, wherein the regenerable cells comprise cells derived from embryos, immature embryos, meristematic cells, immature tassels, microspores, pollen, leaves, anthers, roots, root tips, silk, flowers, kernels, ears, cobs, husks, or stalks.

Claim 333 (original): The tissue culture of claim 332, wherein the regenerable cells comprise protoplasts or callus.

Claim 334 (previously presented): A corn plant regenerated from the tissue culture of claim 331, wherein said corn plant is capable of expressing all of the physiological and morphological characteristics of the corn plant designated *CC2343*, a sample of the seed of said corn plant designated *CC2343* having been deposited under ATCC Accession Number PTA-3827.

Claim 335 (previously presented): A process of producing corn seed, comprising self-pollinating a plant genotypically designated *CC2343* or crossing a first parent corn plant with a second parent corn plant, wherein said first or second corn plant is the corn plant *CC2343*, a sample of the seed of said inbred corn plant *CC2343* having been deposited under ATCC Accession Number PTA-3827.

Claim 336 (original): The process of claim 335, wherein crossing comprises the steps of:

- (a) planting in pollinating proximity seeds of said first and second corn plants;
- (b) cultivating the seeds of said first and second corn plants into plants that bear flowers;
- (c) emasculating the male flowers of said first or second corn plant to produce an emasculated corn plant;

(d) allowing cross-pollination to occur between said first and second corn plants;
and

(e) harvesting seeds produced on said emasculated corn plant.

Claim 337 (original): The process of claim 336, further comprising growing said harvested seed to produce a hybrid corn plant.

Claim 338 (original): Hybrid corn seed produced by the process of claim 337.

Claim 339 (original): A hybrid corn plant produced by the process of claim 337.

Claim 340 (original): The hybrid corn plant of claim 339, wherein the plant is a first generation (F₁) hybrid corn plant.

Claim 341 (previously presented): Corn seed genotypically designated *rmr1-1* having ATCC Accession Number PTA-3965.

Claim 342 (original): A corn plant produced from the seed of claim 341.

Claim 343 (original): A corn plant having all of the phenotypic and morphological characteristics of a plant produced from the seed of claim 341.

Claim 344 (original): Pollen or an ovule of the plant of claim 342.

Claim 345 (original): A corn plant having the genetical characteristics of the plant of claim 342.

Claim 346 (original): An essentially homogeneous population of corn plants produced by growing the seed of the corn plant of claim 342.

Claim 347 (original): Seed produced from the plant of claim 342.

Claim 348 (original): Progeny seed produced from crossing the plant of claim 342 with another corn plant or by self-pollinating the plant of claim 342.

Claim 349 (original): A corn plant produced from the seed of claim 348.

Claim 350 (original): A corn seed produced from the plant of claim 349.

Claim 351 (Previously presented): The tissue culture of regenerable cells of corn plant genotypically designated *rmr1-1*, wherein the tissue regenerates plants capable of expressing all the physiological and morphological characteristics of the corn plant *rmr1-1*, a sample of the seed of said corn plant *rmr1-1* having been deposited under ATCC Accession Number PTA-3965.

Claim 352 (original): The tissue culture of claim 351, wherein the regenerable cells comprise cells derived from embryos, immature embryos, meristematic cells, immature tassels, microspores, pollen, leaves, anthers, roots, root tips, silk, flowers, kernels, ears, cobs, husks, or stalks.

Claim 353 (original): The tissue culture of claim 352, wherein the regenerable cells comprise protoplasts or callus.

Claim 354 (previously presented): A corn plant regenerated from the tissue culture of claim 351, wherein said corn plant is capable of expressing all of the physiological and morphological characteristics of the corn plant designated *rmr1-1*, a sample of the seed of said corn plant designated *rmr1-1* having been deposited under ATCC Accession Number PTA-3965.

Claim 355 (previously presented): A process of producing corn seed, comprising self-pollinating a plant genotypically designated *rmr1-1* or crossing a first parent corn plant with a second parent corn plant, wherein said first or second corn plant is the corn plant *rmr1-1*, a sample of the seed of said inbred corn plant *rmr1-1* having been deposited under ATCC Accession Number PTA-3965.

Claim 356 (original): The process of claim 355, wherein crossing comprises the steps of:

- (a) planting in pollinating proximity seeds of said first and second corn plants;
- (b) cultivating the seeds of said first and second corn plants into plants that bear flowers;
- (c) emasculating the male flowers of said first or second corn plant to produce an emasculated corn plant;

(d) allowing cross-pollination to occur between said first and second corn plants;
and

(e) harvesting seeds produced on said emasculated corn plant.

Claim 357 (original): The process of claim 356, further comprising growing said harvested seed to produce a hybrid corn plant.

Claim 358 (original): Hybrid corn seed produced by the process of claim 357.

Claim 359 (original): A hybrid corn plant produced by the process of claim 357.

Claim 360 (original): The hybrid corn plant of claim 359, wherein the plant is a first generation (F₁) hybrid corn plant.

Claim 361 (previously presented): Corn seed genotypically designated *rmr9-1* having ATCC Accession Number PTA-3961.

Claim 362 (original): A corn plant produced from the seed of claim 361.

Claim 363 (original): A corn plant having all of the phenotypic and morphological characteristics of a plant produced from the seed of claim 361.

Claim 364 (original): Pollen or an ovule of the plant of claim 362.

Claim 365 (original): A corn plant having the genetical characteristics of the plant of claim 362.

Claim 366 (original): An essentially homogeneous population of corn plants produced by growing the seed of the corn plant of claim 362.

Claim 367 (original): Seed produced from the plant of claim 362.

Claim 368 (original): Progeny seed produced from crossing the plant of claim 362 with another corn plant or by self-pollinating the plant of claim 362.

Claim 369 (original): A corn plant produced from the seed of claim 368.

Claim 370 (original): A corn seed produced from the plant of claim 369.

Claim 371 (previously presented): The tissue culture of regenerable cells of corn plant genotypically designated *rmr9-1*, wherein the tissue regenerates plants capable of expressing all the physiological and morphological characteristics of the corn plant *rmr9-1*, a sample of the seed of said corn plant *rmr9-1* having been deposited under ATCC Accession Number PTA-3961.

Claim 372 (original): The tissue culture of claim 371, wherein the regenerable cells comprise cells derived from embryos, immature embryos, meristematic cells, immature tassels, microspores, pollen, leaves, anthers, roots, root tips, silk, flowers, kernels, ears, cobs, husks, or stalks.

Claim 373 (original): The tissue culture of claim 372, wherein the regenerable cells comprise protoplasts or callus.

Claim 374 (previously presented): A corn plant regenerated from the tissue culture of claim 371, wherein said corn plant is capable of expressing all of the physiological and morphological characteristics of the corn plant designated *rmr9-1*, a sample of the seed of said corn plant designated *rmr9-1* having been deposited under ATCC Accession Number PTA-3961.

Claim 375 (previously presented): A process of producing corn seed, comprising self-pollinating a plant genotypically designated *rmr9-1* or crossing a first parent corn plant with a second parent corn plant, wherein said first or second corn plant is the corn plant *rmr9-1*, a sample of the seed of said inbred corn plant *rmr9-1* having been deposited under ATCC Accession Number PTA-3961.

Claim 376 (original): The process of claim 375, wherein crossing comprises the steps of:

- (a) planting in pollinating proximity seeds of said first and second corn plants;
- (b) cultivating the seeds of said first and second corn plants into plants that bear flowers;
- (c) emasculating the male flowers of said first or second corn plant to produce an emasculated corn plant;

(d) allowing cross-pollination to occur between said first and second corn plants;
and

(e) harvesting seeds produced on said emasculated corn plant.

Claim 377 (original): The process of claim 376, further comprising growing said harvested seed to produce a hybrid corn plant.

Claim 378 (original): Hybrid corn seed produced by the process of claim 377.

Claim 379 (original): A hybrid corn plant produced by the process of claim 377.

Claim 380 (original): The hybrid corn plant of claim 379, wherein the plant is a first generation (F₁) hybrid corn plant.